

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 284272

Request Id: 2484533

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

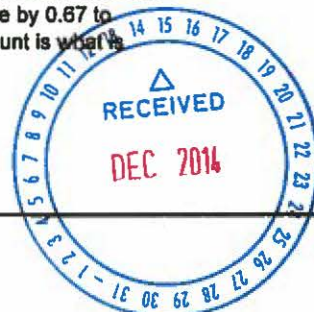
Sample #:	2014032099	Date Collected:	10/8/2014 12:55
Sample Type:	Water, Non-filtered	Date Received:	10/10/2014 15:57
Sample Condition:	Sample Intact	Date Reported:	12/10/2014
Sample Note:	GWQ LSM-7		

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	5.3 pCi/L	1.0	1.8	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	6.9 pCi/L	1.3	2.4	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	-0.3 pCi/L	1.5	2.9	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	-0.3 pCi/L	1.5	2.9	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.29 pCi/L	0.02	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.11 pCi/L	0.06	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	<1 ug/L	0.5	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	2.8 pCi/L	0.12	0.07	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	0.27 pCi/L	0.03	0.04	JLE	HASL-300

Notations & Comments:



Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.87 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.



Final



REQUEST ID Label R#143 2484533 	One Form Per Sample	Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	CHEMISTRY RC  2014032099
LAB USE>>> ONLY	DATE <<<TIME STAMP	Sample Temperature (°C): <u>17.9</u>	Lab Remarks:	Date/Initial: <u>10 Oct 10 PH 1:12</u>
14 OCT 10 PM 1:12		<input checked="" type="checkbox"/> Field preservation confirmed	<input type="checkbox"/> Preserved to pH < 2 at Lab	

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		SAMPLE PRIORITY (call lab if 1/2):	
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)
<input type="radio"/> 55910 (NMED-SWQB)			
OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund			
SAMPLER NAME (First): EARLE	(Last): DIXON	SAMPLER ID #:	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxx):	WSS NAME:		
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter -----> Name:			
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:			
<input type="checkbox"/> Attention To: ----->			

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: <u>LSM - 7</u>					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring	<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation	<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe:	Groundwater samples: <u>LSM - 7</u>	
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:				
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4 C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:			

A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY): <u>10/08/2014</u>	TIME COLLECTED (HH:MM 24-hr): <u>12:55</u>
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Please use this CHAIN OF CUSTODY FORM to record transfer				
	On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal..... By (print): <u>Earle C. Dixon</u> Signed: <u>[Signature]</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal By (print): <u>Veronica Wilmot</u> Signed: <u>[Signature]</u> Date: _____ Time: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal..... By (print): _____ Signed: _____ Date: _____ Time: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 284271

Request Id: 2484535

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

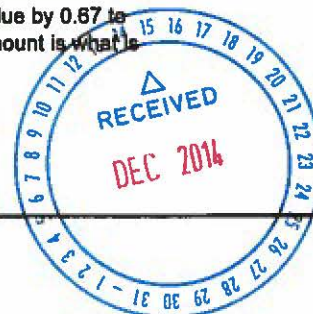
Sample #:	2014032098	Date Collected:	10/8/2014 8:10
Sample Type:	Water, Non-filtered	Date Received:	10/10/2014 15:56
Sample Condition:	Sample Intact	Date Reported:	12/10/2014
Sample Note:	GWQ LSM-9		

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	13.7 pCi/L	1.2	1.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	15.8 pCi/L	1.4	1.3	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	3.8 pCi/L	1.2	2.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	3.9 pCi/L	1.3	2.3	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.04 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.02 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	16 ug/L	1.6	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	8.1 pCi/L	0.24	0.04	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	4.1 pCi/L	0.13	0.02	JLE	HASL-300



Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.



Final

REQUEST ID Label R#143 2484535 	One Form Per Sample	SCIENTIFIC LABORATORY DIVISION 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	CHEMISTRY RC  2014032098
LAB USE>>> ONLY 14 OCT 10 PM 1:12	DATE <<<TIME STAMP	Sample Temperature (°C): <u>17.8</u> <input checked="" type="checkbox"/> Field preservation confirmed	Lab Remarks:	Date/Initial: <u>10 Oct 14/one</u>

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		SAMPLE PRIORITY (call lab if 1/2):	
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund			
SAMPLER NAME (First):	EARLE (Last):	DIXON	SAMPLER ID #:
CONTACT PHONE #:		5058272890	
WSS ID # (xxxxxxxx):	WSS NAME:		
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter -----> Name:			
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:			
<input type="checkbox"/> Attention To: ----->			

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: <u>LSM-9</u>					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring	<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation	<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe: <u>Groundwater samples : LSM-9</u>		
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:	<input type="radio"/> Blood	<input type="radio"/> Tissue	<input type="radio"/> Urine	
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4 C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:	<input type="checkbox"/> Ascorbic acid	<input type="checkbox"/> Maleic acid	

A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY):	<u>10-08-14</u>	TIME COLLECTED (HH:MM 24-hr):	<u>08:10</u>
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print):	<u>Earle C. Dixon</u>	Signed:	<u>Earle C. Dixon</u>		
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
By (print):	<u>Veronica Wilmot</u>	Signed:	<u>V. Wilmot</u>	Date:	Time:
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print):		Signed:		Date:	Time:

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 284273

Request Id: 2484537

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

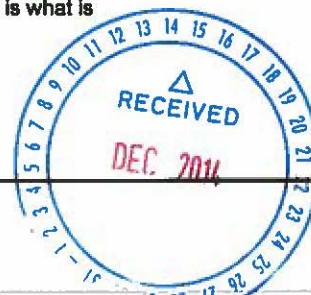
Sample #:	2014032100	Date Collected:	10/7/2014 12:12
Sample Type:	Water, Non-filtered	Date Received:	10/10/2014 15:58
Sample Condition:	Sample Intact	Date Reported:	12/10/2014
Sample Note:	GWQ LSM-10		

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	12.2 pCi/L	1.1	1.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	14.3 pCi/L	1.3	1.4	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	4.7 pCi/L	1.2	2.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	4.9 pCi/L	1.3	2.3	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.05 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	-0.03 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	16 ug/L	1.6	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	8.1 pCi/L	0.24	0.04	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	4.2 pCi/L	0.14	0.02	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.



Final

REQUEST ID Label R#143

2484536

One Form
Per Sample

Scientific Laboratory Division

1101 Camino de Salud NE
Albuquerque, NM 87102
Phone (505) 383-9000One Form
Per Sample

CHEMISTRY RC

2014032101

LAB USE>>> ONLY	DATE <<<TIME STAMP	Sample Temperature (°C): 18.3	Lab Remarks:
14 OCT 10 PM 1:12		<input checked="" type="checkbox"/> Field preservation confirmed	<input type="checkbox"/> Preserved to pH < 2 at Lab Date/Initial: 10 Oct 14/ME

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		SAMPLE PRIORITY (call lab if 1/2):	
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		<input type="radio"/> 55910 (NMED-SWQB)	
SAMPLER NAME (First): EARLE	(Last): DIXON	SAMPLER ID #:	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxx):	WSS NAME:		
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter -----> Name:			
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:			
<input type="checkbox"/> Attention To: ----->			

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: LSM-10					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring	<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation	<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe: Groundwater samples : LSM-10		
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:				
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4 C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:			

A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY): 10-07-14	TIME COLLECTED (HH:MM 24-hr): 10:07
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): Earle C. Dixon	Signed: Earle C. Dixon				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
By (print): Veronica Wilmot	Signed: Veronica Wilmot Date: Time:				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print):	Signed: Date: Time:				

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 284274

Request Id: 2484536

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

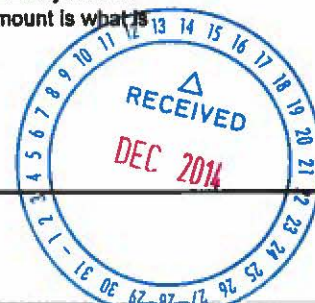
Sample #: 2014032101
Sample Type: Water, Non-filtered
Sample Condition: Sample Intact
Sample Note: GWQ LSM-12
Date Collected: 10/7/2014 10:07
Date Received: 10/10/2014 15:59
Date Reported: 12/10/2014

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	11.5 pCi/L	1.1	1.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	13.4 pCi/L	1.3	1.4	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	6.6 pCi/L	1.3	2.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	6.9 pCi/L	1.3	2.3	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.03 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.19 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	15 ug/L	1.5	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	8.8 pCi/L	0.27	0.04	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	4.5 pCi/L	0.16	0.02	JLE	HASL-300



Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.



Final

REQUEST ID Label R#143 2484537 	One Form Per Sample	Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	CHEMISTRY RC  2014032100
LAB USE>>> ONLY	DATE <<<TIME STAMP	Sample Temperature (°C): <u>19.8</u> Lab Remarks:	<input checked="" type="checkbox"/> Field preservation confirmed <input type="checkbox"/> Preserved to pH < 2 at Lab Date/Initial: <u>10 OCT 10 PH 1:12</u>	

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		SAMPLE PRIORITY (call lab if 1/2):	
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)
<input type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		<input type="radio"/> 55910 (NMED-SWQB)	
SAMPLER NAME (First): EARLE	(Last): DIXON	SAMPLER ID #:	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxx):	WSS NAME:		
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter -----> Name:			
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:			
<input type="checkbox"/> Attention To: ----->			

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: <u>LSM-12</u>					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring	<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation	<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe: Groundwater samples, LSM-12		
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:	<input type="radio"/> Blood	<input type="radio"/> Tissue	<input type="radio"/> Urine	
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4 C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:	<input type="checkbox"/> Ascorbic acid	<input type="checkbox"/> Maleic acid	

A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY):	<u>10-07-14</u>	TIME COLLECTED (HH:MM 24-hr):	<u>12:12</u>
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Please use this CHAIN OF CUSTODY FORM to record transfer				On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): <u>Earle C. Dixon</u> Signed: <u>Earle C. Dixon</u>							
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
By (print): <u>Veronica Wilmot</u> Signed: <u>V. Wilmot</u> Date: _____ Time: _____							
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): _____ Signed: _____ Date: _____ Time: _____							



Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 285032

Request Id: 2484538

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #:	2014032105	Date Collected:	10/7/2014 12:42
Sample Type:	Water, Non-filtered	Date Received:	10/10/2014 16:01
Sample Condition:	Sample Intact	Date Reported:	12/16/2014
Sample Note:	GWQB LSM-24		

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	8.0 pCi/L	1.1	1.4	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	10.2 pCi/L	1.4	1.8	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	4.5 pCi/L	1.1	2.0	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	4.5 pCi/L	1.1	2.0	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.11 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.08 pCi/L	0.06	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	9 ug/L	0.9	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	4.0 pCi/L	0.12	0.03	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	2.0 pCi/L	0.07	0.02	NPV	HASL-300



Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.87 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.



Final



REQUEST 4D Label R#143 2484538 	One Form Per Sample	Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	Lab Account CHEMISTRY RC  2014032105
LAB USE>>> ONLY 14 OCT 10 PM 1:12	DATE <<<TIME STAMP	Sample Temperature (°C): 18.2	Lab Remarks:	
<input checked="" type="checkbox"/> Field preservation confirmed		<input type="checkbox"/> Preserved to pH < 2 at Lab		Date/Initial: 10 Oct 14/mb

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		SAMPLE PRIORITY (call lab if 1/2):	
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		<input checked="" type="radio"/>	
SAMPLER NAME (First): EARLE	(Last): DIXON	SAMPLER ID #:	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxx):	WSS NAME:		
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter -----> Name:			
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:			
<input type="checkbox"/> Attention To: ----->			

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: LSM-24					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring	<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation	<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe: Groundwater samples : LSM-24		
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:				
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4 C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:			

A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY): 10-07-14	TIME COLLECTED (HH:MM 24-hr): 12:42
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): Earle C. Dixon	Signed: 				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
By (print): Veronica Wilmot	Signed:  Date: _____ Time: _____				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): _____	Signed: _____ Date: _____ Time: _____				

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 285029

Request Id: 2484539

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #:	2014032102	Date Collected:	10/9/2014 11:30
Sample Type:	Water, Non-filtered	Date Received:	10/10/2014 15:59
Sample Condition:	Sample Intact	Date Reported:	12/16/2014
Sample Note:	GWQB LSM-32		

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	37.2 pCi/L	2.9	3.1	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	42.5 pCi/L	3.3	3.5	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	12.5 pCi/L	3.1	5.5	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	13.0 pCi/L	3.2	5.7	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.12 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.20 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	58 ug/L	5.8	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	22.1 pCi/L	0.63	0.10	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	16.3 pCi/L	0.48	0.07	NPV	HASL-300



Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.



Final

REQUEST ID Label R#143 2484539 	One Form Per Sample	Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	CHEMISTRY RC  2014032102
LAB USE>>> ONLY	DATE <<<TIME STAMP 14 OCT 10 PM 1:12	Sample Temperature (°C): 17.4	Lab Remarks:	Date/Initial: 100514/ore
		<input checked="" type="checkbox"/> Field preservation confirmed	<input checked="" type="checkbox"/> Preserved to pH < 2 at Lab	

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		SAMPLE PRIORITY (call lab if 1/2):	
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		<input type="radio"/> 55910 (NMED-SWQB)	
SAMPLER NAME (First): EARLE	(Last): DIXON	SAMPLER ID #:	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxx):	WSS NAME:		
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter -----> Name:			
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:			
<input type="checkbox"/> Attention To: ----->			

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: LSM-32					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring	<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation	<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe: Groundwater samples : LSM-32		
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:	<input type="radio"/> Blood	<input type="radio"/> Tissue	<input type="radio"/> Urine	
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4 C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:	<input type="checkbox"/> Ascorbic acid	<input type="checkbox"/> Maleic acid	

A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY): 10-09-14	TIME COLLECTED (HH:MM 24-hr): 11:30
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): Earle C. Dixon	Signed: Earle C. Dixon				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
By (print): Veronica Wilmot	Signed: V. Wilmot	Date:	Time:		
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print):	Signed:	Date:	Time:		

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Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 289001

Request Id:

2484540

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #: 2014032113
Sample Type: Water, Non-filtered
Sample Condition: Sample Intact
Sample Note: LSM-34
Date Collected: 10/7/2014 15:50
Date Received: 10/10/2014 16:05
Date Reported: 1/20/2015



CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	87.8 pCi/L	5.0	2.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	116.9 pCi/L	6.6	2.9	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	87.8 pCi/L	5.2	2.9	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	88.9 pCi/L	5.2	3.0	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.20 pCi/L	0.02	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.19 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	210 ug/L	21	10	JLE	200.8
13966-29-5	U234, by Alpha Spec	75.24 pCi/L	2.06	0.21	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	60.16 pCi/L	1.72	0.13	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected"; as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

Final

REQUEST ID Label R#143 2484540 	One Form Per Sample	Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	CHEMISTRY RC  2014032113
LAB USE>>> ONLY 4 OCT 10 PM 1:14	DATE <<< TIME STAMP 10/10/14	Sample Temperature (°C): 17.8 <input checked="" type="checkbox"/> Field preservation confirmed	Lab Remarks: <input type="checkbox"/> Preserved to pH < 2 at Lab	Date/Initial: <i>DM</i>

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		SAMPLE PRIORITY (call lab if 1/2):	
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)
<input type="radio"/> 55910 (NMED-SWQB)			
OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund			
SAMPLER NAME (First): EARLE	(Last): DIXON	SAMPLER ID #:	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxx):	WSS NAME:		
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter -----> Name:			
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:			
<input type="checkbox"/> Attention To: ----->			

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: LSM - 34					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring	<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation	<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe: Groundwater samples: LSM - 34		
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:	<input type="radio"/> Blood	<input type="radio"/> Tissue	<input type="radio"/> Urine	
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4°C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:			

A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY): 10-07-14	TIME COLLECTED (HH:MM 24-hr): 15:50
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): Earle C. Dixon	Signed: <i>Earle C. Dixon</i>				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
By (print): Veronica Wilmot	Signed: <i>V. Wilmot</i> Date: Time:				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print):	Signed: Date: Time:				

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 289000

Request Id: 2484541

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #: 2014032112
Sample Type: Water, Non-filtered
Sample Condition: Sample Intact
Sample Note: LSM-35
Date Collected: 10/7/2014 11:30
Date Received: 10/10/2014 16:04
Date Reported: 1/20/2015



CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	3.9 pCi/L	0.8	1.3	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	5.1 pCi/L	1.0	1.7	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	4.6 pCi/L	1.2	2.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	4.5 pCi/L	1.2	2.2	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.07 pCi/L	0.02	0.02	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.24 pCi/L	0.15	0.26	JLE	904.0
07440-61-1	Uranium, Mass Concentration	6 ug/L	0.6	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	2.33 pCi/L	0.12	0.10	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	1.62 pCi/L	0.10	0.05	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

Final

REQUEST ID Label R#143 2484541 	One Form Per Sample	Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	CHEMISTRY RC  2014032112
LAB USE>>> ONLY 14 OCT 10 PM 1:14	DATE <<<TIME STAMP	Sample Temperature (°C): 17.4 <input checked="" type="checkbox"/> Field preservation confirmed	Lab Remarks:	Preserved to pH < 2 at Lab Date/Initial: 10/10/14

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		<input checked="" type="radio"/> SAMPLE PRIORITY (call lab if 1/2)
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-D'WB)	<input type="radio"/> 55410 (NMED-GWQB)
<input type="radio"/> 64000 (Individual client fee-for-service)		<input type="radio"/> 55910 (NMED-SWQB)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		
SAMPLER NAME (First): EARLE	(Last): DIXON	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxx):	WSS NAME:	
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:
<input type="checkbox"/> New / Change Address for Submitter -----> Name:		
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:		
<input type="checkbox"/> Attention To: ----->		

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated								<input type="radio"/> Chlorinated		Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: LSM - 35													
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring		<input type="checkbox"/> Compliance		<input type="checkbox"/> Non-compliance		<input type="checkbox"/> Split with facility		<input type="checkbox"/> Grab sample		<input type="checkbox"/> Composite			
	<input type="checkbox"/> Confirmation		<input type="checkbox"/> Raw water		<input type="checkbox"/> Finished water		<input checked="" type="checkbox"/> Other, Describe: Groundwater samples: LSM - 35							
SAMPLE TYPE	<input type="radio"/> Filtered water		<input checked="" type="radio"/> Non-filtered water		<input type="radio"/> Soil/Sediment		<input type="radio"/> Sludge		<input type="radio"/> Swipe/Smear		<input type="radio"/> Air sample			
	<input type="radio"/> Filter		<input type="radio"/> Other, Describe:											
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None		<input type="checkbox"/> Lab to acidify		<input type="checkbox"/> Shipped at < 4 C		<input type="checkbox"/> HCl to pH < 2		<input checked="" type="checkbox"/> HNO ₃ to pH < 2		<input type="checkbox"/> H ₂ SO ₄ to pH < 2			
	<input type="checkbox"/> Na ₂ S ₂ O ₃		<input type="checkbox"/> NaOH to pH > 12		<input type="checkbox"/> Other, Describe:									

A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY): 10-07-14	TIME COLLECTED (HH:MM 24-hr): 11:30
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): Earle C. Dixon	Signed: <i>Earle C. Dixon</i>				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
By (print): Veronica Wilmot	Signed: <i>V. Wilmot</i> Date: Time:				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print):	Signed: Date: Time:				

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 285030

Request Id: 2484542

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #:	2014032103	Date Collected:	10/6/2014 14:40
Sample Type:	Water, Non-filtered	Date Received:	10/10/2014 16:00
Sample Condition:	Sample Intact	Date Reported:	12/16/2014
Sample Note:	GWQB LSM-36		

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	26.5 pCi/L	1.9	1.6	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	29.5 pCi/L	2.1	1.7	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	6.9 pCi/L	1.7	2.4	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	7.2 pCi/L	1.8	2.5	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.04 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.09 pCi/L	0.07	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	39 ug/L	3.9	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	17.2 pCi/L	0.47	0.05	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	11.2 pCi/L	0.32	0.04	NPV	HASL-300



Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.



Final

REQUEST ID Label R#143 2484542 	One Form Per Sample	SCIENTIFIC LABORATORY DIVISION 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	CHEMISTRY RC  2014032103
LAB USE>>> ONLY	DATE <<< TIME STAMP 14 OCT 10 PM 1:12	Sample Temperature (°C): 18.3 <input checked="" type="checkbox"/> Field preservation confirmed	Lab Remarks: <input type="checkbox"/> Preserved to pH < 2 at Lab	Date/Initial: 10 Oct 14/02E

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		<input checked="" type="radio"/> SAMPLE PRIORITY (call lab if 1/2):
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)
<input type="radio"/> 64000 (Individual client fee-for-service)		<input type="radio"/> 55910 (NMED-SWQB)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		
SAMPLER NAME (First): EARLE (Last): DIXON	SAMPLER ID #:	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxx):	WSS NAME:	
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:
<input type="checkbox"/> New / Change Address for Submitter Name:		
<input type="checkbox"/> New / Change Address for WSS / Client Address, with ZIP:		
<input type="checkbox"/> Attention To:		

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: LSM-36					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring					
	<input type="checkbox"/> Compliance					
SAMPLE TYPE	<input type="checkbox"/> Filtered water					
	<input checked="" type="radio"/> Non-filtered water					
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None					
	<input type="checkbox"/> Lab to acidify					
ADDITIONAL ANALYSES	<input type="checkbox"/> Shipped at < 4 C					
	<input checked="" type="checkbox"/> HNO ₃ to pH < 2					

A&M ANALYSES LIST	<input checked="" type="checkbox"/>
OR ANALYSES LIST	<input checked="" type="checkbox"/>
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	<input checked="" type="checkbox"/>
CTAR ANALYSES LIST	<input checked="" type="checkbox"/>
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY): 10-06-14	TIME COLLECTED (HH:MM 24-hr): 14:40
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....					
By (print): Earle C. Dixon	Signed: Earle C. Dixon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal					
By (print): Veronica Wilmot	Signed: Veronica Wilmot	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....					
By (print):	Signed:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 285031

Request Id: 2484543

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #:	2014032104	Date Collected:	10/9/2014 11:37
Sample Type:	Water, Non-filtered	Date Received:	10/10/2014 16:00
Sample Condition:	Sample Intact	Date Reported:	12/16/2014
Sample Note:	GWQB LSM-41		

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	0.7 pCi/L	0.6	1.3	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	0.8 pCi/L	0.7	1.4	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	2.6 pCi/L	1.0	2.0	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	2.8 pCi/L	1.1	2.1	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.11 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.10 pCi/L	0.06	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	<1 ug/L	0.5	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	0.02 pCi/L	0.01	0.03	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	0.01 pCi/L	0.01	0.02	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.87 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.



Final

REQUEST ID Label R#143
2484543

One Form
Per Sample

Scientific Laboratory Division
1101 Camino de Salud NE
Albuquerque, NM 87102
Phone (505) 383-9000

One Form
Per Sample

CHEMISTRY RC
2014032104

LAB USE>>> ONLY	DATE <<<TIME STAMP	Sample Temperature (°C): 17.9	Lab Remarks:
	14 OCT 10 PM 1:12	<input checked="" type="checkbox"/> Field preservation confirmed	<input type="checkbox"/> Preserved to pH < 2 at Lab Date/Initial: 10 Oct 14/ve

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		SAMPLE PRIORITY (call lab if 1/2):	
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund			
SAMPLER NAME (First): EARLE	(Last): DIXON	SAMPLER ID #:	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxx):	WSS NAME:		
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter -----> Name:			
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:			
<input type="checkbox"/> Attention To: ----->			

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: LSM-41					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring	<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation	<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe: Groundwater samples - LSM-41		
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:				
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4 C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:			

A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY): 10-09-14	TIME COLLECTED (HH:MM 24-hr): 11:37
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): Earle C. Dixon	Signed: Earle C. Dixon				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
By (print): Veronica Wilmot	Signed: V. Wilmot Date: Time:				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print):	Signed: Date: Time:				

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 285037

Request Id: 2484544

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

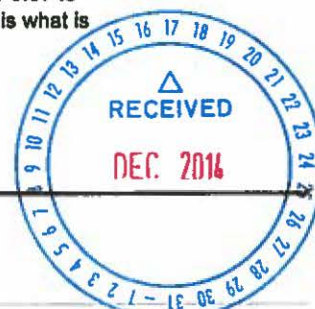
Sample #:	2014032110	Date Collected:	10/8/2014 14:22
Sample Type:	Water, Non-filtered	Date Received:	10/10/2014 16:04
Sample Condition:	Sample Intact	Date Reported:	12/16/2014
Sample Note:	GWQB LSM-42		

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	10.2 pCi/L	1.1	1.4	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	12.6 pCi/L	1.4	1.7	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	12.8 pCi/L	1.4	2.1	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	13.0 pCi/L	1.4	2.1	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	2.43 pCi/L	0.08	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	3.07 pCi/L	0.33	0.15	JLE	904.0
07440-61-1	Uranium, Mass Concentration	7 ug/L	0.7	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	5.3 pCi/L	0.17	0.05	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	1.7 pCi/L	0.08	0.04	NPV	HASL-300



Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.



Final

REQUEST ID Label R#143 2484544 	One Form Per Sample	Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	CHEMISTRY RC  2014032110
LAB USE>>> ONLY	DATE <<<TIME STAMP	Sample Temperature (°C): <u>17.5</u>	Lab Remarks:	
11 OCT 10 PM 1:14		<input checked="" type="checkbox"/> Field preservation confirmed	<input type="checkbox"/> Preserved to pH < 2 at Lab	Date/Initial: <u>10 OCT 14 / [Signature]</u>

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		<input checked="" type="radio"/> SAMPLE PRIORITY (call lab if 1/2):
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)
<input type="radio"/> 64000 (Individual client fee-for-service)		<input type="radio"/> 55910 (NMED-SWQB)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		
SAMPLER NAME (First): EARLE	(Last): DIXON	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxx):	WSS NAME:	
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:
<input type="checkbox"/> New / Change Address for Submitter -----> Name:		
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:		
<input type="checkbox"/> Attention To: ----->		

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):	
	Field remarks: <u>LSM-42</u>						
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring						
	<input type="checkbox"/> Compliance						
<input type="checkbox"/> Non-compliance							
<input type="checkbox"/> Split with facility							
<input type="checkbox"/> Grab sample							
<input type="checkbox"/> Composite							
<input type="checkbox"/> Confirmation							
<input type="checkbox"/> Raw water							
<input type="checkbox"/> Finished water							
<input checked="" type="checkbox"/> Other, Describe: Groundwater samples : <u>LSM-42</u>							
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample	<input type="radio"/> Blood
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:					
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4 C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2	<input type="checkbox"/> Ascorbic acid
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:				

A&M ANALYSES LIST	<input checked="" type="radio"/>
OR ANALYSES LIST	<input checked="" type="radio"/>
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	<input checked="" type="radio"/>
CTAR ANALYSES LIST	<input checked="" type="radio"/>
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY): <u>10-08-14</u>	TIME COLLECTED (HH:MM 24-hr): <u>14:22</u>
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....					
By (print): <u>Earle C. Dixon</u>	Signed: <u>[Signature]</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal					
By (print): <u>Veronica Wilmot</u>	Signed: <u>[Signature]</u>	Date:	Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....					
By (print):	Signed:	Date:	Time:	<input type="checkbox"/>	<input type="checkbox"/>



Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 285035

Request Id: 2484545

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #: 2014032108
Sample Type: Water, Non-filtered
Sample Condition: Sample Intact
Sample Note: GWQB LSM-43
Date Collected: 10/6/2014 14:05
Date Received: 10/10/2014 16:03
Date Reported: 12/16/2014

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	4.3 pCi/L	0.9	1.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	5.5 pCi/L	1.1	1.5	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	3.9 pCi/L	1.0	1.6	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	4.0 pCi/L	1.0	1.7	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.08 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	-0.11 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	5 ug/L	0.5	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	2.9 pCi/L	0.09	0.02	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	1.3 pCi/L	0.05	0.02	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.



Final

2484545

One Form
Per Sample1101 Camino de Salud NE
Albuquerque, NM 87102
Phone (505) 383-9000One Form
Per Sample

2014032108

LAB USE>>> ONLY	DATE <<<TIME STAMP	Sample Temperature (°C): 17.9	Lab Remarks:
	14 OCT 10 PM 1:12	<input checked="" type="checkbox"/> Field preservation confirmed	<input type="checkbox"/> Preserved to pH < 2 at Lab Date/Initial: 10/27/10

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		SAMPLE PRIORITY (call lab if 1/2):	
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		<input checked="" type="radio"/>	
SAMPLER NAME (First): EARLE	(Last): DIXON	SAMPLER ID #:	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxx):	WSS NAME:		
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter -----> Name:			
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:			
<input type="checkbox"/> Attention To: ----->			

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: LSM-43					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring	<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation	<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe: Groundwater samples: LSM-43		
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:				
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4 C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:			

A&M ANALYSES LIST		<input checked="" type="checkbox"/>
OR ANALYSES LIST		<input checked="" type="checkbox"/>
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)	<input checked="" type="checkbox"/>
WC ANALYSES LIST		<input checked="" type="checkbox"/>
CTAR ANALYSES LIST		<input checked="" type="checkbox"/>
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234	

DATE COLLECTED (MM-DD-YY): 10-06-14	TIME COLLECTED (HH:MM 24-hr): 14:05
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): Earle C. Dixon	Signed: Earle C. Dixon				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
By (print): Veronica Wilmot	Signed: V. Wilmot Date: Time:				
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print):	Signed: Date: Time:				

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 285036

Request Id: 2484546

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

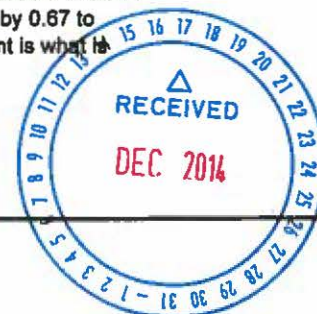
Sample #:	2014032109	Date Collected:	10/6/2014 15:05
Sample Type:	Water, Non-filtered	Date Received:	10/10/2014 16:03
Sample Condition:	Sample Intact	Date Reported:	12/16/2014
Sample Note:	GWQB LSM-44		

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	3.0 pCi/L	0.6	1.0	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	3.6 pCi/L	0.8	1.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	4.7 pCi/L	0.9	1.6	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	4.8 pCi/L	0.9	1.6	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.08 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.04 pCi/L	0.08	0.15	JLE	904.0
07440-61-1	Uranium, Mass Concentration	4 ug/L	0.5	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	2.1 pCi/L	0.07	0.02	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	0.92 pCi/L	0.04	0.02	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.



Final

REQUEST ID, Label R#143

2484546

One Form
Per Sample

Scientific Laboratory Division

1101 Camino de Salud NE
Albuquerque, NM 87102
Phone (505) 383-9000One Form
Per Sample

CHEMISTRY RC

2014032109

LAB USE>>> ONLY	DATE <<<TIME STAMP	Sample Temperature (°C): 17.5	Lab Remarks:
		<input checked="" type="checkbox"/> Field preservation confirmed	<input type="checkbox"/> Preserved to pH < 2 at Lab
		Date/Initial:	10 OCT 14 / JMS

14 OCT 10 PM 1:12

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau

SAMPLE PRIORITY (call lab if 1/2):

USER CODE 30120 (ABCWUA) 55000 (NMED-DWB) 55410 (NMED-GWQB) 64000 (Individual client fee-for-service) 55910 (NMED-SWQB)

OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund

SAMPLER NAME (First): EARLE (Last): DIXON SAMPLER ID #: CONTACT PHONE #: 5058272890

WSS ID # (xxxxxxxx): WSS NAME:

FACILITY/LOCATION: FACILITY ID: SAMPLING PT. ID:

☐ New / Change Address for Submitter -----> Name:☐ New / Change Address for WSS / Client -----> Address, with ZIP:☐ Attention To: ----->

FIELD DATA AND REMARKS

☐ Non-chlorinated ☐ Chlorinated Residual (mg/l): pH: Conductivity (µS/cm): Temperature (°C)

Field remarks: LSM-44

SAMPLING DOCUMENTATION

☒ NMED monitoring ☐ Compliance ☐ Non-compliance ☐ Split with facility ☐ Grab sample ☐ Composite☐ Confirmation ☐ Raw water ☐ Finished water ☒ Other, Describe: Groundwater samples - LSM-44

SAMPLE TYPE

☐ Filtered water ☒ Non-filtered water ☐ Soil/Sediment ☐ Sludge ☐ Swipe/Smear ☐ Air sample ☐ Blood ☐ Tissue ☐ Urine☐ Filter ☐ Other, Describe:

PRESERVATION OR ACID/BASE ADDED

☐ None ☐ Lab to acidify ☐ Shipped at < 4 C ☐ HCl to pH < 2 ☒ HNO₃ to pH < 2 ☐ H₂SO₄ to pH < 2 ☐ Ascorbic acid ☐ Maleic acid☐ Na₂S₂O₃ ☐ NaOH to pH > 12 ☐ Other, Describe:

A&M ANALYSES LIST

OR ANALYSES LIST

RC ANALYSES LIST Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)

WC ANALYSES LIST

CTAR ANALYSES LIST

ADDITIONAL ANALYSES radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY): 10-06-14 TIME COLLECTED (HH:MM 24-hr): 15:05

Please use this CHAIN OF CUSTODY FORM to record transfer

On Shipping Container	Present & Intact	Not Present	Present & Damaged
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The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....

By (print): Earle C. Dixon Signed: Earle C. Dixon

The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal

By (print): Signed: Veronica Wilmot Date: Time:

The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....

By (print): Signed: Date: Time:

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 289003

Request Id: 2484547

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #: 2014032115
Sample Type: Water, Non-filtered
Sample Condition: Sample Intact
Sample Note: LSM-45
Date Collected: 10/6/2014 15:55
Date Received: 10/10/2014 16:06
Date Reported: 1/20/2015



CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	8.6 pCi/L	1.0	1.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	10.5 pCi/L	1.2	1.5	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	7.2 pCi/L	1.2	2.1	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	7.4 pCi/L	1.2	2.2	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.18 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	-0.06 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	12 ug/L	1.2	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	5.76 pCi/L	0.16	0.017	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	3.40 pCi/L	0.10	0.012	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

Final

REQUEST ID Label R#143 2484547 	One Form Per Sample	Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	CHEMISTRY RC  2014032115
LAB USE>>> ONLY 14 OCT 10 PM 1:14	DATE <<<TIME STAMP	Sample Temperature (°C): 18.1 <input checked="" type="checkbox"/> Field preservation confirmed	Lab Remarks: Preserved to pH < 2 at Lab Date/Initial: <i>DM 10/14</i>	

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		<input checked="" type="radio"/> SAMPLE PRIORITY (call lab if 1 / 2):
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQS)
<input type="radio"/> 64000 (Individual client fee-for-service)		
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		
SAMPLER NAME (First): EARLE (Last): DIXON	SAMPLER ID #:	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxx):	WSS NAME:	
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:
<input type="checkbox"/> New / Change Address for Submitter -----> Name:		
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:		
<input type="checkbox"/> Attention To: ----->		

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated		<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: LSM-45						
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring		<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation		<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe: Groundwater samples: LSM-45		
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample	<input type="radio"/> Blood
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:		<input type="radio"/> Tissue	<input type="radio"/> Urine		
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4 C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2	<input type="checkbox"/> Ascorbic acid
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:				

A&M ANALYSES LIST	<input checked="" type="checkbox"/>
OR ANALYSES LIST	<input checked="" type="checkbox"/>
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	<input checked="" type="checkbox"/>
CTAR ANALYSES LIST	<input checked="" type="checkbox"/>
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY): 10-06-14	TIME COLLECTED (HH:MM 24-hr): 15:55
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal...					
By (print): Earle C. Dixon	Signed: <i>Earle C. Dixon</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal					
By (print): Veronica Wilmot	Signed: <i>V. Wilmot</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal					
By (print):	Signed:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date:	Time:				

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 289004

Request Id: 2484548

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #: 2014032116
Sample Type: Water, Non-filtered
Sample Condition: Sample Intact
Sample Note: LSM-46
Date Collected: 10/8/2014 15:23
Date Received: 10/10/2014 16:06
Date Reported: 1/20/2015



CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	8.2 pCi/L	1.2	1.8	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	10.1 pCi/L	1.4	2.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	14.9 pCi/L	1.6	2.7	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	15.3 pCi/L	1.7	2.8	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.25 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.07 pCi/L	0.07	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	20 ug/L	2.0	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	9.50 pCi/L	0.27	0.043	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	5.68 pCi/L	0.18	0.022	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

Final

REQUEST ID Label R#143 2484548 	One Form Per Sample	Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	CHEMISTRY RC  2014032116
LAB USE>>> ONLY 14 OCT 10 PM 1:14	DATE <<<TIME STAMP	Sample Temperature (°C): <u>17.9</u>	Lab Remarks:	
<input checked="" type="checkbox"/> Field preservation confirmed		<input type="checkbox"/> Preserved to pH < 2 at Lab		Date/Initial: <u>DM 10/10/14</u>

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		<input checked="" type="radio"/> SAMPLE PRIORITY (call lab if 1/2):		
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)	<input type="radio"/> 55910 (NMED-SWQB)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		<input checked="" type="radio"/>		
SAMPLER NAME (First):	EARLE	(Last):	DIXON	SAMPLER ID #:
CONTACT PHONE #:		5058272890		
WSS ID # (xxxxxxxx):	WSS NAME:			
FACILITY/LOCATION:		FACILITY ID:	SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter -----> Name:				
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:				
<input type="checkbox"/> Attention To: ----->				

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):			
Field remarks: <u>LSM-46</u>									
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring		<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite		
	<input type="checkbox"/> Confirmation		<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe: Groundwater samples - <u>LSM-46</u>				
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample	<input type="radio"/> Blood	<input type="radio"/> Tissue	<input type="radio"/> Urine
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:							
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4 C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2	<input type="checkbox"/> Ascorbic acid	<input type="checkbox"/> Maleic acid	
	<input type="checkbox"/> Na ₂ S ₂ O ₃		<input type="checkbox"/> NaOH to pH > 12		<input type="checkbox"/> Other, Describe:				

A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY):	<u>10-08-14</u>	TIME COLLECTED (HH:MM 24-hr):	<u>15:23</u>
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print):	<u>Earle C. Dixon</u>	Signed:	<u>Earle C. Dixon</u>		
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
By (print):	<u>Veronica Wilmet</u>	Signed:	<u>V Wilmet</u>	Date:	Time:
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print):		Signed:		Date:	Time:

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 289002

Request Id:

2484549

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #: 2014032114
Sample Type: Water, Non-filtered
Sample Condition: Sample Intact
Sample Note: LSM-47
Date Collected: 10/7/2014 12:40
Date Received: 10/10/2014 16:05
Date Reported: 1/20/2015



CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	23.1 pCi/L	1.7	1.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	28.5 pCi/L	2.1	1.5	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	8.8 pCi/L	1.4	2.1	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	8.9 pCi/L	1.5	2.2	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.04 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	-0.10 pCi/L	0.07	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	30 ug/L	3.0	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	19.58 pCi/L	0.60	0.056	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	8.35 pCi/L	0.29	0.037	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected"; as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

Final

REQUEST ID Label R#143 2484549 	One Form Per Sample	Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	CHEMISTRY RC  2014032114
LAB USE>>> ONLY	DATE <<<TIME STAMP	Sample Temperature (°C): <u>18</u> <input checked="" type="checkbox"/> Field preservation confirmed	Lab Remarks:	Preserved to pH < 2 at Lab
17 OCT 10 PM 1:14		Date/Initial: <u>DM</u> <u>10/14</u>		

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		SAMPLE PRIORITY (call lab if 1/2):	
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund			
SAMPLER NAME (First): EARLE (Last): DIXON		CONTACT PHONE #: 5058272890	
WSS ID # (xxxxxxxx):		WSS NAME:	
FACILITY/LOCATION:		SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter -----> Name:			
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:			
<input type="checkbox"/> Attention To: ----->			

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: <u>LSM-47</u>					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring <input type="checkbox"/> Compliance <input type="checkbox"/> Non-compliance <input type="checkbox"/> Split with facility <input type="checkbox"/> Grab sample <input type="checkbox"/> Composite					
	<input type="checkbox"/> Confirmation <input type="checkbox"/> Raw water <input type="checkbox"/> Finished water <input checked="" type="checkbox"/> Other, Describe: Groundwater samples: <u>LSM-47</u>					
SAMPLE TYPE	<input type="radio"/> Filtered water <input checked="" type="radio"/> Non-filtered water <input type="radio"/> Soil/Sediment <input type="radio"/> Sludge <input type="radio"/> Swipe/Smear <input type="radio"/> Air sample <input type="radio"/> Blood <input type="radio"/> Tissue <input type="radio"/> Urine					
	<input type="radio"/> Filter <input type="radio"/> Other, Describe:					
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None <input type="checkbox"/> Lab to acidify <input type="checkbox"/> Shipped at < 4 C <input type="checkbox"/> HCl to pH < 2 <input checked="" type="checkbox"/> HNO ₃ to pH < 2 <input type="checkbox"/> H ₂ SO ₄ to pH < 2 <input type="checkbox"/> Ascorbic acid <input type="checkbox"/> Maleic acid					
	<input type="checkbox"/> Na ₂ S ₂ O ₃ <input type="checkbox"/> NaOH to pH > 12 <input type="checkbox"/> Other, Describe:					

A&M ANALYSES LIST		✓
OR ANALYSES LIST		✓
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)	✓
WC ANALYSES LIST		✓
CTAR ANALYSES LIST		✓
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234	

DATE COLLECTED (MM-DD-YY): <u>10-07-14</u>	TIME COLLECTED (HH:MM 24-hr): <u>12:40</u>
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Please use this CHAIN OF CUSTODY FORM to record transfer				On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....							
By (print): <u>Earle C. Dixon</u> Signed: <u>Earle C. Dixon</u>				□	□	□	□
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal							
By (print): <u>Veronica Wilmet</u> Signed: <u>V. Wilmet</u> Date: _____ Time: _____				□	□	X	□
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....							
By (print): _____ Signed: _____ Date: _____ Time: _____				□	□	□	□



Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 285038

Request Id: 2484550

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #:	2014032111	Date Collected:	10/7/2014 16:25
Sample Type:	Water, Non-filtered	Date Received:	10/10/2014 16:04
Sample Condition:	Sample Intact	Date Reported:	12/16/2014
Sample Note:	GWQB LSM-49		

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	30.1 pCi/L	2.0	1.9	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	36.1 pCi/L	2.5	2.3	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	27.6 pCi/L	2.2	2.8	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	28.6 pCi/L	2.2	2.9	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.06 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.09 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	66 ug/L	6.6	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	21.6 pCi/L	0.63	0.10	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	16.8 pCi/L	0.50	0.07	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.



Final

REQUEST ID Label R#143 2484550		Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000		One Form Per Sample		One Form Per Sample		CHEMISTRY RC 2014032111	
LAB USE>>> ONLY		DATE <<<TIME STAMP 14 OCT 10 PM 1:14		Sample Temperature (°C): 17.7		Lab Remarks:		Field preservation confirmed <input checked="" type="checkbox"/> Preserved to pH < 2 at Lab <input type="checkbox"/> Date/Initial: 10 Oct 14 / NE	
SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau						SAMPLE PRIORITY (call lab if 1/2):			
USER CODE 30120 (ABCWUA)		55000 (NMED-DWB)		55410 (NMED-GWQB)		64000 (Individual client fee-for-service)		55910 (NMED-SWQB)	
OTHER USER CODE (Select one):		55321 NMED GWQ Bureau Abatement and Assessment - General Fund							
SAMPLER NAME (First):		EARLE		(Last):		DIXON		SAMPLER ID #:	
CONTACT PHONE #:		5058272890							
WSS ID # (xxxxxxxx):		WSS NAME:							
FACILITY/LOCATION:		FACILITY ID:		SAMPLING PT. ID:					
<input type="checkbox"/> New / Change Address for Submitter		Name:							
<input type="checkbox"/> New / Change Address for WSS / Client		Address, with ZIP:							
<input type="checkbox"/> Attention To:									
FIELD DATA AND REMARKS		<input type="radio"/> Non-chlorinated		<input type="radio"/> Chlorinated		Residual (mg/l):		pH:	
						Conductivity (µS/cm):		Temperature (°C):	
Field remarks:		LSM-49							
SAMPLING DOCUMENTATION		<input checked="" type="checkbox"/> NMED monitoring		<input type="checkbox"/> Compliance		<input type="checkbox"/> Non-compliance		<input type="checkbox"/> Split with facility	
		<input type="checkbox"/> Confirmation		<input type="checkbox"/> Raw water		<input type="checkbox"/> Finished water		<input checked="" type="checkbox"/> Other, Describe: Groundwater samples: LSM-49	
SAMPLE TYPE		<input type="radio"/> Filtered water		<input checked="" type="radio"/> Non-filtered water		<input type="radio"/> Soil/Sediment		<input type="radio"/> Sludge	
		<input type="radio"/> Filter		<input type="radio"/> Other, Describe:		<input type="radio"/> Swipe/Smear		<input type="radio"/> Air sample	
PRESERVATION OR ACID/BASE ADDED		<input type="checkbox"/> None		<input type="checkbox"/> Lab to acidify		<input type="checkbox"/> Shipped at < 4 C		<input type="checkbox"/> HCl to pH < 2	
		<input type="checkbox"/> Na2S2O3		<input type="checkbox"/> NaOH to pH > 12		<input type="checkbox"/> Other, Describe:		<input checked="" type="checkbox"/> HNO3 to pH < 2	
								<input type="checkbox"/> H2SO4 to pH < 2	
								<input type="checkbox"/> Ascorbic acid	
								<input type="checkbox"/> Maleic acid	
A&M ANALYSES LIST									
OR ANALYSES LIST									
RC ANALYSES LIST		Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)							
WC ANALYSES LIST									
CTAR ANALYSES LIST									
ADDITIONAL ANALYSES		radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234							
DATE COLLECTED (MM-DD-YY):		10-07-14		TIME COLLECTED (HH:MM 24-hr):		16:25			
Please use this CHAIN OF CUSTODY FORM to record transfer									
						On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): Earle C. Dixon Signed: Earle C. Dixon									
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal						<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
By (print): Veronica Wilmot Signed: V. Wilmot Date: Time:									
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): Signed: Date: Time:									

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 289005

Request Id: 2484551

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #: 2014032117
Sample Type: Water, Non-filtered
Sample Condition: Sample Intact
Sample Note: LSM-50
Date Collected: 10/9/2014 10:18
Date Received: 10/10/2014 16:07
Date Reported: 1/20/2015

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	54.7 pCi/L	3.2	1.9	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	68.1 pCi/L	3.9	2.3	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	49.9 pCi/L	3.2	2.8	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	50.8 pCi/L	3.3	2.8	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.03 pCi/L	0.01	0.02	NPV	903.1
15262-20-1	Ra228, SDWA Method	-0.06 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	140 ug/L	14	5.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	54.12 pCi/L	1.66	0.22	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	40.52 pCi/L	1.29	0.13	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as \pm one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected"; as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

Final

REQUEST ID Label R#143

2484551

One Form
Per SampleScientific Laboratory Division
1101 Camino de Salud NE
Albuquerque, NM 87102
Phone (505) 383-9000One Form
Per Sample

CHEMISTRY RC

2014032117

LAB USE>>> ONLY	DATE <<<TIME STAMP	Sample Temperature (°C): 17.5	Lab Remarks:
	14 OCT 10 PM 1:14	<input checked="" type="checkbox"/> Field preservation confirmed	<input checked="" type="checkbox"/> Preserved to pH < 2 at Lab Date/Initial: 10/10/14

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		SAMPLE PRIORITY (call lab if 1/2):	
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		<input type="radio"/> 55910 (NMED-SWQB)	
SAMPLER NAME (First): EARLE	(Last): DIXON	SAMPLER ID #:	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxx):	WSS NAME:		
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter -----> Name:			
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:			
<input type="checkbox"/> Attention To: ----->			

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: LSM-50					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring	<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation	<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe: Groundwater samples - LSM-50		
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:				
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4°C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:			

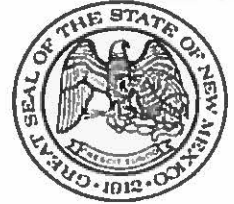
A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY): 10-09-14	TIME COLLECTED (HH:MM 24-hr): 10:18
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): Earle C. Dixon Signed: Earle C. Dixon					
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
By (print): Veronica Willmot Signed: V. Willmot Date: Time:					
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): Signed: Date: Time:					

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 289006

Request Id: 2484552

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #: 2014032118
Sample Type: Water, Non-filtered
Sample Condition: Sample Intact
Sample Note: LSM-51
Date Collected: 10/8/2014 15:19
Date Received: 10/10/2014 16:07
Date Reported: 1/20/2015

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	21.2 pCi/L	1.7	1.7	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	26.9 pCi/L	2.2	2.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	21.9 pCi/L	2.0	2.9	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	22.0 pCi/L	2.0	2.9	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.03 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	-0.03 pCi/L	0.07	0.13	JLE	904.0
07440-61-1	Uranium, Mass Concentration	52 ug/L	5.2	2.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	20.10 pCi/L	0.62	0.091	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	15.47 pCi/L	0.50	0.055	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected"; as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

Final

REQUEST ID Label R#143

2484552

One Form
Per Sample

Scientific Laboratory Division

1101 Camino de Salud NE
Albuquerque, NM 87102
Phone (505) 383-9000One Form
Per Sample

CHEMISTRY RC

2014032118

LAB USE>>> ONLY	DATE <<<TIME STAMP	Sample Temperature (°C): 17.3	Lab Remarks:
14 OCT 13 PM 1:14		<input checked="" type="checkbox"/> Field preservation confirmed	<input type="checkbox"/> Preserved to pH < 2 at Lab Date/Initial: PM 10/10/14

SUBMITTER CODE/DESCRIPTION:	418 NMED - Ground Water Quality Bureau	SAMPLE PRIORITY (call lab if 1/2):	
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)
<input type="radio"/> 55910 (NMED-SWQB)	<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		
SAMPLER NAME (First):	EARLE (Last):	DIXON	SAMPLER ID #:
CONTACT PHONE #:	5058272890		
WSS ID # (xxxxxxxx):	WSS NAME:		
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter -----> Name:			
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:			
<input type="checkbox"/> Attention To: ----->			

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
Field remarks:	LSM-51					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring	<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation	<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe:	Groundwater samples: LSM-51	
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:				
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4°C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:			

A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY):	10-08-14	TIME COLLECTED (HH:MM 24-hr):	15:19
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....					
By (print): Earle C. Dixon	Signed: Earle C. Dixon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal.....					
By (print): Veronica Wilmot	Signed: V. Wilmot	Date:	Time:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....					
By (print):	Signed:	Date:	Time:	<input type="checkbox"/>	<input type="checkbox"/>

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 289007

Request Id: 2484553

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #:	2014032119	Date Collected:	10/8/2014 16:18
Sample Type:	Water, Non-filtered	Date Received:	10/10/2014 16:08
Sample Condition:	Sample Intact	Date Reported:	1/20/2015
Sample Note:	LSM-52		



CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	70.5 pCi/L	4.9	2.1	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	108.2 pCi/L	7.5	3.3	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	73.0 pCi/L	5.1	3.2	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	68.2 pCi/L	4.7	3.0	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.09 pCi/L	0.01	0.02	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.30 pCi/L	0.19	0.36	JLE	904.0
07440-61-1	Uranium, Mass Concentration	200 ug/L	20	10	JLE	200.8
13966-29-5	U234, by Alpha Spec	69.51 pCi/L	2.00	0.210	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	58.22 pCi/L	1.71	0.129	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

Final

REQUEST ID Label R#143 2484553 	One Form Per Sample	Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample CHEMISTRY RC  2014032119
LAB USE>>> ONLY	DATE <<<TIME STAMP 14 OCT 10 PM 1:14	Sample Temperature (°C): 17.4 Lab Remarks:	<input checked="" type="checkbox"/> Field preservation confirmed <input type="checkbox"/> Preserved to pH < 2 at Lab Date/Initial: 10/14/10

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		<input checked="" type="radio"/> SAMPLE PRIORITY (call lab if 1/2):
<input type="radio"/> USER CODE 30120 (ABCWUA) <input type="radio"/> 55000 (NMED-DWB) <input type="radio"/> 55410 (NMED-GWQB) <input type="radio"/> 64000 (Individual client fee-for service) <input type="radio"/> 55910 (NMED-SWQB)		
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		
SAMPLER NAME (First): EARLE (Last): DIXON	SAMPLER ID #:	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxx):	WSS NAME:	
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:
<input type="checkbox"/> New / Change Address for Submitter -----> Name:		
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:		
<input type="checkbox"/> Attention To: ----->		

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated <input type="radio"/> Chlorinated		Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: LSM-52					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring <input type="checkbox"/> Compliance <input type="checkbox"/> Non-compliance <input type="checkbox"/> Split with facility <input type="checkbox"/> Grab sample <input type="checkbox"/> Composite					
	<input type="checkbox"/> Confirmation <input type="checkbox"/> Raw water <input type="checkbox"/> Finished water <input checked="" type="checkbox"/> Other, Describe: Groundwater samples - LSM-52					
SAMPLE TYPE	<input type="radio"/> Filtered water <input checked="" type="radio"/> Non-filtered water <input type="radio"/> Soil/Sediment <input type="radio"/> Sludge <input type="radio"/> Swipe/Smear <input type="radio"/> Air sample <input type="radio"/> Blood <input type="radio"/> Tissue <input type="radio"/> Urine					
	<input type="radio"/> Filter <input type="radio"/> Other, Describe:					
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None <input type="checkbox"/> Lab to acidify <input type="checkbox"/> Shipped at < 4 C <input type="checkbox"/> HCl to pH < 2 <input checked="" type="checkbox"/> HNO ₃ to pH < 2 <input type="checkbox"/> H ₂ SO ₄ to pH < 2 <input type="checkbox"/> Ascorbic acid <input type="checkbox"/> Maleic acid					
	<input type="checkbox"/> Na ₂ S ₂ O ₃ <input type="checkbox"/> NaOH to pH > 12 <input type="checkbox"/> Other, Describe:					

A&M ANALYSES LIST		⬇
OR ANALYSES LIST		⬇
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)	⬇
WC ANALYSES LIST		⬇
CTAR ANALYSES LIST		⬇
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234	

DATE COLLECTED (MM-DD-YY): 10-08-14	TIME COLLECTED (HH:MM 24-hr): 16:16
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....					
By (print): Earle C. Dixon	Signed: <i>Earle C. Dixon</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal					
By (print): Veronica Wilmot	Signed: <i>V. Wilmot</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....					
By (print):	Signed:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 289008

Request Id: 2484554

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #: 2014032120
Sample Type: Water, Non-filtered
Sample Condition: Sample Intact
Sample Note: LSM-53
Date Collected: 10/8/2014 11:27
Date Received: 10/10/2014 16:08
Date Reported: 1/20/2015

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	24.2 pCi/L	2.0	2.1	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	32.6 pCi/L	2.7	2.8	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	24.4 pCi/L	2.1	2.9	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	24.3 pCi/L	2.1	2.9	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.18 pCi/L	0.02	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.20 pCi/L	0.07	0.13	JLE	904.0
07440-61-1	Uranium, Mass Concentration	57 ug/L	5.7	2.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	25.21 pCi/L	0.76	0.093	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	16.66 pCi/L	0.53	0.052	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

Final

LAB
USE>>>
ONLY

DATE
<<<TIME
STAMP

Sample Temperature (°C): 17

Lab Remarks:

☒ Field preservation confirmed

☐ Preserved to pH < 2 at Lab

Date/Initial: DM
2/10/14

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau

☒ SAMPLE PRIORITY (call lab if 1/2):

☐ USER CODE 30120 (ABCWUA)
☐ 55000 (NMED-DWB)
☐ 55410 (NMED-GWQB)
☐ 64000 (Individual client fee-for-service)
☐ 55910 (NMED-SWQB)

☒ OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund

SAMPLER NAME (First): EARLE (Last): DIXON

SAMPLER ID #:

CONTACT PHONE #: 5058272890

WSS ID # (xxxxxxxx):

WSS NAME:

FACILITY/LOCATION:

FACILITY ID:

SAMPLING PT. ID:

☐ New / Change Address for Submitter -----> Name:

☐ New / Change Address for WSS / Client -----> Address, with ZIP:

☐ Attention To: ----->

FIELD DATA
AND
REMARKS

☐ Non-chlorinated
☐ Chlorinated
Residual (mg/l):
pH:
Conductivity (µS/cm):
Temperature (°C):

Field remarks: LSM-53

SAMPLING
DOCUMENTATION

☒ NMED monitoring
☐ Compliance
☐ Non-compliance
☐ Split with facility
☐ Grab sample
☐ Composite

☐ Confirmation
☐ Raw water
☐ Finished water
☒ Other, Describe: Groundwater samples - LSM-53

SAMPLE
TYPE

☐ Filtered water
☒ Non-filtered water
☐ Soil/Sediment
☐ Sludge
☐ Swipe/Smear
☐ Air sample
☐ Blood
☐ Tissue
☐ Urine

☐ Filter
☐ Other, Describe:

PRESERVATION
OR ACID/BASE
ADDED

☐ None
☐ Lab to acidify
☐ Shipped at < 4 C
☐ HCl to pH < 2
☒ HNO₃ to pH < 2
☐ H₂SO₄ to pH < 2
☐ Ascorbic acid
☐ Maleic acid

☐ Na₂S₂O₃
☐ NaOH to pH > 12
☐ Other, Describe:

A&M ANALYSES LIST

OR ANALYSES LIST

RC ANALYSES LIST Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)

WC ANALYSES LIST

CTAR ANALYSES LIST

ADDITIONAL ANALYSES radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY): 10-08-14

TIME COLLECTED (HH:MM 24-hr): 11:27

Please use this CHAIN OF CUSTODY FORM to record transfer

On Shipping
Container

Present
& Intact

Not
Present

Present &
Damaged

The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....

By (print): Earle C. Dixon Signed: Earle C. Dixon

The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal

By (print): Veronica Wilmot Signed: V. Wilmot Date: Time:

The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....

By (print): Signed: Date: Time:

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 289009

Request Id: 2484555

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #: 2014032121
Sample Type: Water, Non-filtered
Sample Condition: Sample Intact
Sample Note: LSM-56
Date Collected: 10/8/2014 11:03
Date Received: 10/10/2014 16:09
Date Reported: 1/20/2015

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	8.8 pCi/L	1.3	2.1	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	12.2 pCi/L	1.9	3.0	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	10.5 pCi/L	1.7	2.9	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	10.4 pCi/L	1.6	2.9	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.07 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.15 pCi/L	0.47	0.96	JLE	904.0
07440-61-1	Uranium, Mass Concentration	21 ug/L	2.1	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	11.31 pCi/L	0.41	0.098	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	6.09 pCi/L	0.26	0.064	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected"; as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

Final

REQUEST ID Label R#143

2484555

One Form
Per Sample

Scientific Laboratory Division

1101 Camino de Salud NE
Albuquerque, NM 87102
Phone (505) 383-9000One Form
Per Sample

CHEMISTRY RC

2014032121

LAB USE>>> ONLY	DATE <<<TIME STAMP	Sample Temperature (°C): 18.1	Lab Remarks:
		<input checked="" type="checkbox"/> Field preservation confirmed	<input type="checkbox"/> Preserved to pH < 2 at Lab Date/Initial: DM 10/2/14

14 OCT 11 PM 1:15

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		SAMPLE PRIORITY (call lab if 1/2):	
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)
<input type="radio"/> 55910 (NMED-SWQB)			
OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund			
SAMPLER NAME (First): EARLE	(Last): DIXON	SAMPLER ID #:	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxx):	WSS NAME:		
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter -----> Name:			
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:			
<input type="checkbox"/> Attention To: ----->			

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
Field remarks: LSm - 56						
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring	<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation	<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe: Groundwater samples - LSm - 56		
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:				
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4 C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2
	<input type="checkbox"/> Na ₂ S ₂ O ₅	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:			

A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY): 10-08-14	TIME COLLECTED (HH:MM 24-hr): 11:03
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Please use this CHAIN OF CUSTODY FORM to record transfer

On Shipping Container	Present & Intact	Not Present	Present & Damaged
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The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....

By (print): Earle C. Dixon Signed: Earle C. Dixon

The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal

By (print): Signed: Veronica Wilmot Date: Time:

The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal

By (print): Signed: Date: Time:

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 285033

Request Id: 2484556

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

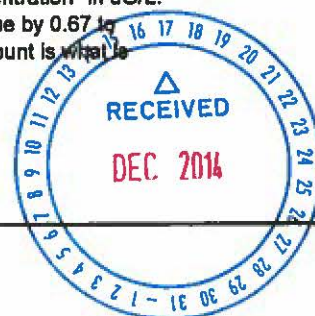
Sample #:	2014032106	Date Collected:	10/8/2014 11:42
Sample Type:	Water, Non-filtered	Date Received:	10/10/2014 16:01
Sample Condition:	Sample Intact	Date Reported:	12/16/2014
Sample Note:	GWQB LSM-58		

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	20.6 pCi/L	2.1	0.9	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	25.6 pCi/L	2.7	1.1	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	9.1 pCi/L	1.7	1.4	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	9.3 pCi/L	1.7	1.4	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.74 pCi/L	0.03	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.40 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	22 ug/L	2.2	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	16.5 pCi/L	0.45	0.03	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	6.5 pCi/L	0.19	0.02	NPV	HASL-300



Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.



Final

REQUEST ID Label R#143 2484556 	One Form Per Sample	Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	CHEMISTRY RC  2014032106
LAB USE>>> ONLY	DATE <<<TIME STAMP	Sample Temperature (°C): <u>18.1</u>	Lab Remarks:	
14 OCT 19 PM 1:12		<input checked="" type="checkbox"/> Field preservation confirmed	<input type="checkbox"/> Preserved to pH < 2 at Lab	Date/Initial: <u>10 Oct 14 / JNB</u>

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		SAMPLE PRIORITY (call lab if 1/2):	
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		<input checked="" type="radio"/>	
SAMPLER NAME (First):	EARLE	(Last):	DIXON
SAMPLER ID #:			
CONTACT PHONE #:	5058272890		
WSS ID # (xxxxxxxxx):	WSS NAME:		
FACILITY/LOCATION:		FACILITY ID:	SAMPLING PT. ID:
<input type="checkbox"/> New / Change Address for Submitter -----> Name:			
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:			
<input type="checkbox"/> Attention To: ----->			

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: <u>LSM-58</u>					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring	<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation	<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe: Groundwater samples: <u>LSM-58</u>		
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:				
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4 C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:			

A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY):	<u>10-08-14</u>	TIME COLLECTED (HH:MM 24-hr):	<u>11:42</u>
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print):	<u>Earle C. Dixon</u>	Signed:	<u>Earle C. Dixon</u>	Date:	
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
By (print):	<u>Veronica Wilmet</u>	Signed:	<u>V. Wilmet</u>	Date:	
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print):		Signed:		Date:	



Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 289010

Request Id: 2484557

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

Sample #: 2014032122
Sample Type: Water, Non-filtered
Sample Condition: Sample Intact
Sample Note: LSM-80FD
Date Collected: 10/6/2014 16:55
Date Received: 10/10/2014 16:09
Date Reported: 1/20/2015



CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	6.9 pCi/L	0.9	1.2	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	8.3 pCi/L	1.1	1.5	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	8.2 pCi/L	1.2	2.1	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	8.5 pCi/L	1.3	2.2	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.17 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.33 pCi/L	0.08	0.15	JLE	904.0
07440-61-1	Uranium, Mass Concentration	12 ug/L	1.2	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	6.74 pCi/L	0.20	0.023	JLE	HASL-300
07440-61-1	U238, by Alpha Spec	3.61 pCi/L	0.12	0.013	JLE	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.

Final

REQUEST ID Label R#143 2484557 	One Form Per Sample	Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	CHEMISTRY RC  2014032122
LAB USE>>> ONLY	DATE <<<TIME STAMP	Sample Temperature (°C): <u>18.3</u> <input checked="" type="checkbox"/> Field preservation confirmed	Lab Remarks:	Preserved to pH < 2 at Lab Date/Initial: <u>DM</u> <u>10/14</u>

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		<input checked="" type="radio"/> SAMPLE PRIORITY (call lab if 1/2):
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)
<input type="radio"/> 64000 (Individual client fee-for-service)		<input type="radio"/> 55910 (NMED-SWQB)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund		
SAMPLER NAME (First): EARLE	(Last): DIXON	CONTACT PHONE #: 5058272890
WSS ID # (xxxxxxxxxx):	WSS NAME:	
FACILITY/LOCATION:	FACILITY ID:	SAMPLING PT. ID:
<input type="checkbox"/> New / Change Address for Submitter -----> Name:		
<input type="checkbox"/> New / Change Address for WSS / Client -----> Address, with ZIP:		
<input type="checkbox"/> Attention To: ----->		

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated		<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: <u>LSM-80FD</u>						
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring		<input type="checkbox"/> Compliance	<input type="checkbox"/> Non-compliance	<input type="checkbox"/> Split with facility	<input type="checkbox"/> Grab sample	<input type="checkbox"/> Composite
	<input type="checkbox"/> Confirmation	<input type="checkbox"/> Raw water	<input type="checkbox"/> Finished water	<input checked="" type="checkbox"/> Other, Describe: <u>Groundwater samples: LSM-80FD</u>			
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample	<input type="radio"/> Blood
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:					
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4°C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2	<input type="checkbox"/> Ascorbic acid
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:				

A&M ANALYSES LIST		☑
OR ANALYSES LIST		☑
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)	☑
WC ANALYSES LIST		☑
CTAR ANALYSES LIST		☑
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234	

DATE COLLECTED (MM-DD-YY): <u>10-06-14</u>	TIME COLLECTED (HH:MM 24-hr): <u>16:55</u>
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....					
By (print):	<u>Earle C. Dixon</u>	Signed:	<u>Earle C. Dixon</u>		
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal					
By (print):	<u>Veronica Willmot</u>	Signed:	<u>V. Willmot</u>	Date:	Time:
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....					
By (print):		Signed:		Date:	Time:



Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141002-2011



LIMS Report #: 285034

Request Id: 2484558

Submitter: NMED - Ground Water Quality Bureau
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502

Submitter Code: 418
Collector: EARLE DIXON
User Code: 55321

COC Initiated: Yes
Condition of Seal: Not Present

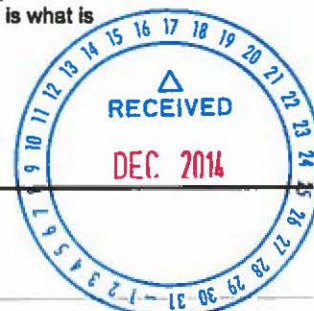
Sample #: 2014032107
Sample Type: Water, Non-filtered
Sample Condition: Sample Intact
Sample Note: GWQB LSM-85 FD
Date Collected: 10/7/2014 17:25
Date Received: 10/10/2014 16:02
Date Reported: 12/16/2014

CAS No	Analyte	Value	Sigma	SDL	Tech	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	28.7 pCi/L	2.1	1.4	DM	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	37.3 pCi/L	2.8	1.9	DM	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	21.7 pCi/L	2.0	2.1	DM	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	21.8 pCi/L	2.0	2.2	DM	SM 7110 B
13982-63-3	Ra226, SDWA Method	0.07 pCi/L	0.01	0.01	NPV	903.1
15262-20-1	Ra228, SDWA Method	0.19 pCi/L	0.08	0.14	JLE	904.0
07440-61-1	Uranium, Mass Concentration	66 ug/L	6.6	1.0	JLE	200.8
13966-29-5	U234, by Alpha Spec	21.8 pCi/L	0.63	0.12	NPV	HASL-300
07440-61-1	U238, by Alpha Spec	16.1 pCi/L	0.49	0.07	NPV	HASL-300

Notations & Comments:

Uncertainties, sigmas, are expressed as +/- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<SDL)" when reported; or "less than twice the standard deviation".

For SDWA Reports: The MCI for gross alpha excludes the contribution from uranium, but this must be calculated from the results. When the "Gross Alpha w/U-nat Reference" value is greater than 7.5 pCi/L, the report should include a value for "Uranium, Mass Concentration" in uG/L. To convert units and exclude the uranium contribution to the gross alpha: 1) Multiply the "Uranium, Mass Concentration" value by 0.67 to convert to pCi/L; 2) Subtract this converted uranium value from the "Gross Alpha w/U-nat Reference"; 3) This calculated amount is what is compared to the gross MCI of 15 pCi/L.



Final

REQUEST ID Label 2484558 R#143	One Form Per Sample	Scientific Laboratory Division 1101 Camino de Salud NE Albuquerque, NM 87102 Phone (505) 383-9000	One Form Per Sample	Lab Accession # CHEMISTRY RC 2014032107
LAB USE>>> ONLY	DATE <<<TIME STAMP	Sample Temperature (°C): 17.1	Lab Remarks:	Date/Initial: 10 Oct 14 / nbs
14 OCT 10 PM 1:12				

SUBMITTER CODE/DESCRIPTION: 418 NMED - Ground Water Quality Bureau		SAMPLE PRIORITY (call lab if 1/2):		
<input type="radio"/> USER CODE 30120 (ABCWUA)	<input type="radio"/> 55000 (NMED-DWB)	<input type="radio"/> 55410 (NMED-GWQB)	<input type="radio"/> 64000 (Individual client fee-for-service)	<input type="radio"/> 55910 (NMED-SWQB)
<input checked="" type="radio"/> OTHER USER CODE (Select one): 55321 NMED GWQ Bureau Abatement and Assessment - General Fund				
SAMPLER NAME (First): EARLE (Last): DIXON		SAMPLER ID #:	CONTACT PHONE #: 5058272890	
WSS ID # (xxxxxxxx):		WSS NAME:		
FACILITY/LOCATION:		FACILITY ID:	SAMPLING PT. ID:	
<input type="checkbox"/> New / Change Address for Submitter —————> Name:				
<input type="checkbox"/> New / Change Address for WSS / Client —————> Address, with ZIP:				
<input type="checkbox"/> Attention To: —————>				

FIELD DATA AND REMARKS	<input type="radio"/> Non-chlorinated	<input type="radio"/> Chlorinated	Residual (mg/l):	pH:	Conductivity (µS/cm):	Temperature (°C):
	Field remarks: LSM-85FD					
SAMPLING DOCUMENTATION	<input checked="" type="checkbox"/> NMED monitoring <input type="checkbox"/> Compliance <input type="checkbox"/> Non-compliance <input type="checkbox"/> Split with facility <input type="checkbox"/> Grab sample <input type="checkbox"/> Composite					
	<input type="checkbox"/> Confirmation <input type="checkbox"/> Raw water <input type="checkbox"/> Finished water <input checked="" type="checkbox"/> Other, Describe: Groundwater samples ; LSM-85FD					
SAMPLE TYPE	<input type="radio"/> Filtered water	<input checked="" type="radio"/> Non-filtered water	<input type="radio"/> Soil/Sediment	<input type="radio"/> Sludge	<input type="radio"/> Swipe/Smear	<input type="radio"/> Air sample
	<input type="radio"/> Filter	<input type="radio"/> Other, Describe:	<input type="radio"/> Blood	<input type="radio"/> Tissue	<input type="radio"/> Urine	
PRESERVATION OR ACID/BASE ADDED	<input type="checkbox"/> None	<input type="checkbox"/> Lab to acidify	<input type="checkbox"/> Shipped at < 4 C	<input type="checkbox"/> HCl to pH < 2	<input checked="" type="checkbox"/> HNO ₃ to pH < 2	<input type="checkbox"/> H ₂ SO ₄ to pH < 2
	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> NaOH to pH > 12	<input type="checkbox"/> Other, Describe:	<input type="checkbox"/> Ascorbic acid	<input type="checkbox"/> Maleic acid	

A&M ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST	Gross Alpha and/or Beta (SM 7100B Gross Alpha and/or Beta)
WC ANALYSES LIST	
CTAR ANALYSES LIST	
ADDITIONAL ANALYSES	radium-226; radium-228; uranium by ICPMS; uranium-238/uranium-234

DATE COLLECTED (MM-DD-YY):	10-07-14	TIME COLLECTED (HH:MM 24-hr):	17:25
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Please use this CHAIN OF CUSTODY FORM to record transfer		On Shipping Container	Present & Intact	Not Present	Present & Damaged
The sample identified on this request form & sample container, was collected at the date & time shown in the form fields above; by the sampler listed above, and was transferred with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): Earle C. Dixon Signed: Earle C. Dixon					
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the non-lab person below), and with a tamper-proof seal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
By (print): Veronica Wilmot Signed: V. Wilmot Date: _____ Time: _____					
The sample identified on this form & container was accepted either at the DATE/TIME STAMP shown in the top left of this form, or at the date & time shown below (by the person below), and with a tamper-proof seal.....		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By (print): _____ Signed: _____ Date: _____ Time: _____					